SUMMERAIRE

Built Better to Last Longer

USER MANUAL

SLO / SFLO115 SERIES
OIL FIRED WARM AIR FURNACES

Save These Instructions For Reference

ALL SUMMERAIRE SLO115 / SFLO115 MODELS ARE AIR CONDITIONING READY !

NOTICE TO HOMEOWNER
THIS FURNACE SHALL BE INSTALLED BY A CERTIFIED INSTALLER AND WHERE REQUIRED BY LAW, A LICENSED TECHNICIAN

NOTICE TO HOMEOWNER
IF YOUR SUMMERAIRE SLO/SFLO SERIES OIL FURNACE HAS BEEN INSTALLED USING THE APPROVED SS1-C TJERNLUND SIDEWALL POWER VENTOR, IT IS YOUR RESPONSIBILITY TO KEEP THE AREA AROUND THE OUTSIDE TERMINAL OF THE POWER VENTOR CLEAR OF SNOW – ICE AND DEBRIS

FOR SERVICE CALL:

INSTALLATION INFORMATION

Installing Contractor	**Telephone Number**
Unit Model Number	**Unit Serial Number**

Installation Date

Summeraire Mfg.
Peterborough, Ontario
K9J 7B1

OCT., 2007R

OPERATING INSTRUCTIONS

CAUTION: NEVER BURN GARBAGE, REFUSE OR PAPER IN THE HEATING UNIT.
NEVER LEAVE COMBUSTIBLE OR OTHER MATERIALS AROUND OR NEAR THE FURNACE.

IDENTIFY THE LOCATION OF YOUR BURNER / FURNACE POWER SWITCH

OIL BURNER OPERATING INSTRUCTIONS

- Use No 2 furnace oil ***ONLY***
- Do not use gasoline, crankcase oil, or any oil containing gasoline.
- Do not attempt to start the burner if excess oil has accumulated, when the furnace is full of vapor, or if the combustion chamber is hot.
- Press the burner relay reset button ONLY TWICE; if the burner fails to start, call an Oil Burner Technician.
- If the oil burner is to be shut off for any period of time, shut the oil valve OFF at the oil tank.
- Do not adjust or tamper with the furnace or any of the controls
- Do not burn garbage or paper in this unit.
- Never leave paper, rags, or other combustibles around the furnace.
- Only qualified, or where required by law, a licensed technician shall set – up this unit and adjust controls.
- ***DO NOT START THE OIL BURNER UNLESS THE BLOWER DOOR IS SECURED IN PLACE.***

TO TURN THE BURNER OFF

- Turn the main oil burner switch to " OFF "
- Set the thermostat as far below room temperature as possible.

IF BURNER IS TO BE SHUT OFF FOR AN EXTENDED PERIOD.

- Turn main oil burner switch to "OFF".
- Close all oil supply valves.
- The heating system should be checked and cleaned if necessary.

RESTARTING BURNER AFTER EXTENDED SHUT DOWN

The complete oil burner should be checked and serviced by a qualified technician.

- Check oil pump strainer.
- Replace oil filter cartridge.
- Check electrodes
- Oil burner motor (see lubrication section)
- Restart burner by following instructions in; "STARTING THE OIL BURNER" section.
- If your furnace has been shut off for an extended period – contact your qualified service technician for start – up.

BURNER FAILS TO OPERATE

Always call a qualified technician

The trouble may be :

- Raise your thermostat to 5º C (10º F) above present room temperature
- Make sure your " Oil Burner " power switch is in the "ON" position
- If you hear a hum from the oil burner, and the motor has not started, press the reset button on the burner motor once only.
- Blown fuse / "tripped" breaker in electrical panel
- Thermostat may be set below room temperature.
- Burner relay (combustion control) may have to be "reset" (press reset twice only)
- Oil valve may be closed.
- Oil supply may be too low.
- Manual reset fan and limit control may be "tripped"
- Blocked flue sensor "tripped"
- If the oil burner fails to start or runs for only a few seconds, call a qualified service technician

OIL FURNACE ANNUAL SERVICE

The oil burner and furnace should be thoroughly cleaned and serviced annually by a qualified service technician, and where required by law, a licensed technician.

CAUTION: Do not use any commercially available soot remover.
Use extreme caution when servicing since the combustion chamber is fragile.
Routine cleaning of the flue passages does not require cleaning the combustion chamber.
If for some reason, it is necessary to work in the area of the combustion chamber, do not touch or alter the chamber position.
Before cleaning, shut off electrical power supply to the furnace.

Note: ***Always keep oil supply valve shut off if burner is shut down for an extended period of time.***
The nozzle should be replaced annually – handle nozzle with care so that the inside surface tip is not scratched.
The electrodes should be cleaned and adjusted. (see oil burner manual supplied with the oil burner).

LUBRICATION

Apply 2 – 3 drops of SAE 20 – 30 Non Detergent oil ONLY to the oil port(s) located at either end of the burner motor.

Apply 2 – 3 drops of SAE 20 – 30 Non Detergent oil ONLY to the oil ports located at either end of the blower motor. ***DO NOT OIL THE FAN BEARINGS!***

CLEANOUTS

SLO115: Remove cleanout panel and cap from the front panel.
Loosen soot from the radiator with a cleaning tool or brush. The tool should bend allowing cleaning of the curved surfaces of the heat exchanger.
To clean the rear of the radiator, remove the chimney flue pipe from the furnace flue pipe
Remove the baffle from the furnace flue pipe. Loosen the soot from the rear of the heat exchanger, flue pipe and baffle.

SFLO115: Remove one of the cleanout panels and cap located on the side panels. It is only necessary to remove one of the cleanouts.
Also, remove the chimney flue pipe from the furnace.
Loosen soot from radiator with a cleaning tool or brush. The tool should bend allow cleaning of the curved surfaces of the heat exchanger.

Remove all loose soot with a vacuum cleaner suitable for this purpose. Inspect passages to check for missed areas. When reinstalling the cleanout cap, make sure you replace the gasket.

NOTE: WE RECOMMEND THAT A QUALIFIED MECHANIC OR WHERE REQUIRED BY LAW, A LICENCED MECHANIC *ONLY* SHOULD PERFORM ALL SERVICE AND CLEANING OF YOUR SUMMERAIRE FURNACE !

SUMMER FAN OPERATION – BELT DRIVE

During the summer months, continuous air circulation can be obtained by pulling / sliding the manual fan switch from the "Auto" position to the "On" position.

DUAL AIR OPERATION – BELT DRIVE

Furnaces equipped with a dual (2) speed blower system enable partial air circulation at all times. When thermostat calls for heat, the burner starts and the "high" speed phase quickly distributes warmed air throughout the house. When the "high" speed phase ceases, the "low" speed continuous, circulating air to even the temperatures.

DUAL AIR OPERATION – DIRECT DRIVE

If your SLO115 or SFLO115 furnace is equipped with a DIRECT DRIVE blower assembly;
The burner starts and the "high" speed phase quickly distributes warmed air throughout the house. When the " high " speed phase ceases, the "low" speed phase continues, circulating the air to even the temperatures throughout the house. If the "low" speed feature is not required, operate the small "rocker" switch located on the power junction box. ("Low" speed will not operate)!

AIR FILTER

This furnace should never be operated without filters.
A DIRTY AIR FILTER CAUSES INEFFICIENCY AND HIGHER OPERATING COSTS
Clean or replace filters each heating season, or as required.
Filter specifications for the air filter installed in your Summeraire oil fired warm air furnace, are listed below.
DO NOT SUBSTITUTE !

Note: ***Changing the type or size of filter used in your Summeraire furnace can seriously affect the operation of the furnace!***

AIR FILTER SPECIFICATIONS

Filter size: 20" X 20" X 1" – CSA or ULC Certified/Approved
Type: Throw-away/disposable

USE OF FILTERS OTHER THAN THOSE SPECIFIED ABOVE, CAN CAUSE DANGEROUS ELEVATION OF FURNACE TEMPERATURES – THIS IS AN UNSAFE CONDITION !

DO NOT USE / INSTALL PLEATED TYPE AIR FILTERS IN THIS FURNACE !

WARNING: Your furnace requires Combustion Air
DO NOT close off furnace room or enclose furnace - this will starve to furnace oil burner for air necessary for combustion and could result in a dangerous situation.

NOTE:
IF YOUR SUMMERAIRE FURNACE IS INSTALLED WITH A SS1-C TJERNLUND POWER VENTOR.

IT IS THE USERS / HOMEOWNERS RESPONSIBILITY TO KEEP THE AREA AROUND THE VENT TERMINAL FREE OF ICE , SNOW AND DEBRIS !